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Golf and Country Resort, 47410 Petaling Jaya (MY).
IBRAHIM, Hisam [MY/MY]; 9, Jalan 27/47, Taman
Bunga Negara, 40400 Shah Alam, Selangor (MY).

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(74) Agents: **CARRERA, George, M., Jr.** et al.; Gardner
Carton & Douglas LLP, 191 N. Wacker Drive, Suite 3700,
Chicago, IL 60606-1698 (US).

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(71) Applicant (*for all designated States except US*): **ANSELL
HEALTHCARE PRODUCTS LLC** [US/US]; 200 Schulz
Drive, Red Bank, NJ 07701 (US).

(72) Inventors; and

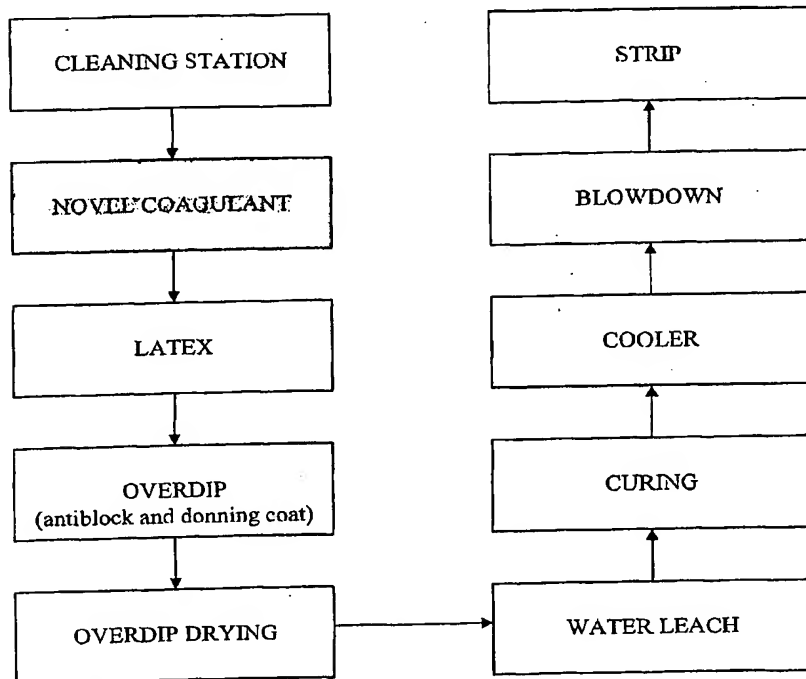
(75) Inventors/Applicants (*for US only*): **HASSAN, Noor-**
man, Bin, Abu [MY/MY]; 12 Jalan Batumandi 26/29,
Taman Bukit Saga, 40000 Shah Alam (MY). **LUCAS,**
David, Mark [MY/MY]; 26 Jalan TR 7/3, Tropicana

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(54) Title: ON-LINE MAKING OF POWDER-FREE RUBBER GLOVES

Polymer Coated Latex Glove Process Flowchart



(57) Abstract: A powder-free medical glove having a first surface of a powder-free coagulant and a second surface with a polymer coating to ease donning. The powder-free coagulant on the first surface comprises micronized high-density polyethylene, a micro-emulsion of amino silicone, a dimethicone emulsion, calcium salts, an ethoxylated acetylenic diol surfactant and a cellulose thickener. The medical gloves are made in an on-line process of making latex articles that involves dipping hand-shaped formers into the coagulant before dipping them into the latex. The gloves are thereafter coated with a polymer to improve donnability before removal from the formers. The novel coagulant formulation permits easy removal of the articles from the formers, eases double-donning of gloves and eliminates the need for off-line processing.



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